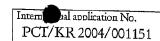
INTERNATIONAL SEARCH REPORT

			R 2004/001151			
IPC7: H04	FICATION OF SUBJECT MATTER L 12/18, 29/06 International Patent Classification (IPC) or to both nat	ional classification and IPC				
B. FIELDS	SEARCHED					
Minimum do	cumentation searched (classification system followed b L	y classification symbols)				
Documentation——	on searched other than minimum documentation to the	extent that such documents are includ	ed in the fields searched			
	ta base consulted during the international search (name DDOC, PAJ, Elsevier, IEE, I3E, IEEEXplo		search terms used)			
C. DOCUM	MENTS CONSIDERED TO BE RELEVANT					
Category*	Citation of document, with indication, where ap	Relevant to claim No.				
A	(10.11.1998)	A (ANDREWS et al.) 10 November 1998 , 10-13, column 2, line 30 - column 3, line 19, claims				
А	EP 1202493 A2 (HEWLETT PACKAR! (02.05.2002) figure 2B, paragraph 10-11.	1				
☐ Further	Further documents are listed in the continuation of Box C. See patent family annex.					
"A" documer to be of "E" earlier a filing de "L" documer cited to special a "O" documer means "P" docu	categories of cited documents: nt defining the general state of the art which is not considere particular relevance pplication or patent but published on or after the internationate the the publication of priority claim(s) or which the establish the publication date of another citation or othe reason (as specified) nt referring to an oral disclosure, use, exhibition or othe the published prior to the international filing date but later the rity date claimed	to understand the principle or in all "X" document of particular relections an inventive step when the document of particular relections are cannot be considered to invote document is combined with documents, such combinations.	et with the application but cited theory underlying the invention vance; the claimed invention cannot be considered to involve tument is taken alone vance; the claimed invention live an inventive step when the the one or more other such in being obvious to a person			
	actual completion of the international search 31 March 2005 (31.03.2005)	Date of mailing of the international 13 April 2005 (1				
	nailing address of the ISA/AT Austrian Patent Office esdner Straße 87, A-1200 Vienna	Authorized officer ENGLISCH M.				
1						

Facsimile No. +43 / 1 / 534 24 / 535

Telephone No. +43 / 1 / 534 24 / 565

INTERNATIONAL SEARCH REPORT



Patent document cited in search report			Publication date	Patent family member(s)	Publication date
EP	A2	1202493	2002-05-02	none	
US	A	5835723	1998-11-10	none	

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 9 December 2004 (09.12.2004)

PCT

(10) International Publication Number WO 2004/107092 A3

(51) International Patent Classification⁷: H04L 12/18, 29/06

(21) International Application Number:

PCT/KR2004/001151

(22) International Filing Date: 14 May 2004 (14.05.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:

10-2003-0034962 30 May 2003 (30.05.2003) KR 10-2004-0022191 31 March 2004 (31.03.2004) KR

(71) Applicant (for all designated States except US): LG ELECTRONICS, INC. [KR/KR]; 20, Yoido-Dong, Yongdungpo-Ku, Seoul 150-010 (KR).

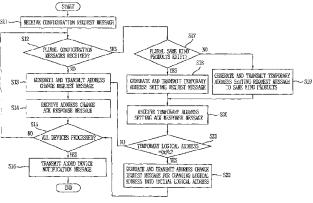
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): HA, Sam-Chul [KR/KR]; Sapa-Dongsung Apt. 102-1201, Sapa-Dong, Changwon-Shi, Kyungsangnam-Do 641-550 (KR). BAEK, Seung-Myun [KR/KR]; Lucky Apt. 12-403,

Banlim-Dong, Changwon-Shi, Kyungsangnam-Do 641-764 (KR). **LEE, Koon-Seok** [KR/KR]; Sungwon Apt. 102-1406, 45-1 Sangnam-Dong, Changwon-Shi, Kyungsangnam-Do 641-778 (KR). **KIM, Yong-Tae** [KR/KR]; Daedong Apt. 1006-1504, Mukea-Ri, Jangyou-Myun, Gimhae-Shi, Kyungsangnam-Do 621-833 (KR).

- (74) Agent: LEE, Kwang-Yeon; LEE & KIM, 5th Floor, New-Seoul Bldg., 828-8, Yoksam 1-Dong, Kangnam-Ku, Seoul 135-935 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PII, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: HOME NETWORK SYSTEM



(57) Abstract: The present invention discloses a home network system using a living network control protocol. The home network system includes: at least one new device including a node address having an initial logical address through a network based on a predetermined protocol, transmitting a configuration request message having the node address to a master device, receiving a temporary address setting request message, changing the initial logical address by selecting one temporary logical address, generating a temporary address setting response message, transmitting the temporary address setting response message to the master device, receiving an address change request message having a predetermined logical address; and at least one master device, changing the temporary logical address range for the new device, plurality of configuration request messages (S11) from the new device, setting the temporary logical address range for the new device, receiving the temporary address setting request message (S20) from the new device, setting the predetermined logical address of the new device, and transmitting the address change request message (S22) having the set logical address to the new device of the selected temporary address.



WO 2004/107092 A3



European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.